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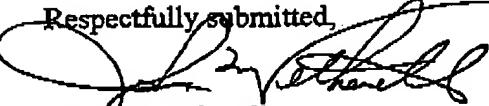
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Date:	December 3, 2003	Must Be Sent By:	
To:	Examiner Duane Smith	Fax No:	(703) 872-9306
Company:	Group 1754 U.S. Patent and Trademark Office	Phone No:	(703) 308-3792
From:	John R. Wetherell, Ph.D.	Phone No:	(858) 509-4022
User No:	14619	C/M No:	009848-0283674

Re: USSN 09/954,701
Sichmann, et al.
Filed: September 14, 2001

Responsive to the Notice of Abandonment dated September 26, 2003, attached herewith are copies of the complete filing of September 12, 2003 for your review.

Respectfully submitted,


John R. Wetherell
Registration No. 31,678

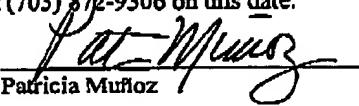
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I hereby certify that this correspondence along with any paper referred to as being sent is being transmitted via facsimile to Examiner Duane Smith, U.S. Patent and Trademark Office, P.O. Box 1450, Arlington, VA 21313-1450 at (703) 872-9306 on this date.

Dated: December 3, 2003


Patricia Muñoz

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70051561V1

PAT-103 5/02 PTO RECEIPT FOR INDICATED ITEMS Atty JRW
 Appn. No: 09/954,701 Date 09/12/03
 Filed: September 14, 2001 C# 009848
 Inventor(s) SICHMANN, et al
 Title: Apparatus and Method for Avoiding Gas Bubbles When
 Transporting a Liquid by Means of Pumps M# 0283674

ENCLOSED: Amendment Appendix Cover sheet

No. of Pages Abstract
 # No. of numbered Claims only
 Declaration (#pgs) Assignment Cover Sheet
 # No. of Priority Documents
 # No. Sheets Drawings (Fig(s) to) 1 set Formal
 IDS Letter cited Appl(s). Foreign sch rept/OA
 PTO-1449 cited docs.

\$ No Fee Enclosed - please charge deposit account
 Other: Transmittal Letter, Reply/Amendment/Letter (in duplicate); Response to
 OA mailed March 12, 2003; Updated Inventor Declaration; Courtesy copy of
 revised formal figures; and Return Postcard

PAT-103 5/02 PTO RECEIPT FOR INDICATED ITEMS Atty JRW
 Appn. No: 09/954,701 Date 09/12/03
 Filed: September 14, 2001 C# 009848
 Inventor(s) SICHMANN, et al
 Title: Apparatus and Method for Avoiding Gas Bubbles When
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 PTO-1449 cited docs.

\$ No Fee Enclosed - please charge deposit account
 Other: Transmittal Letter, Reply/Amendment/Letter (in duplicate); Response to
 OA mailed March 12, 2003; Updated Inventor Declaration; Courtesy copy of
 revised formal figures; and Return Postcard



THE UNITED STATES PATENT AND TRADEMARK OFFICE

TRANSMITTAL LETTER

Director of Patents
MS: Patent Application
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing are the following:

1. Reply/Amendment/Letter (in duplicate);
2. Response to Office Action;
3. Updated Inventor Declaration;
4. Courtesy Copy of Revised formal figures (2 Sheets); and
5. Return Postcard.

The Commissioner is hereby authorized to charge any fee, including any submitted herewith, if the attached check(s) is in the wrong amount or otherwise improper or missing, that may be due in connection with this and the attached papers, or with this application during its entire pendency to or to credit any overpayment to Deposit Account 50-2212.

Respectfully submitted,

PILLSBURY WINTHROP LLP

Date: September 12, 2003

By John E. Wetherell, Jr., Ph.D., Reg. No. 31,678

11682 El Camino Real, Suite 200
San Diego, CA 92130-2593
Facsimile: (858) 509-4010
Direct Line: (858) 509-4022

Certificate of Mailing Under 37 C.F.R. §1.8

I hereby certify that this correspondence and any paper referred to as being attached or enclosed is being mailed via "First Class Mail" of the United States Postal Service on the date shown below in an envelope addressed to the Commissioner for Patents, M.S. Patent Application, P. O. Box 1450, Alexandria, VA, 22313-1450

Dated: September 12, 2003

By: *Karen F. Massie*
Karen F. Massie

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Inventor(s): Sichmann, et al.

Appn. No.: 09

Series Code ↑

954,701

Serial No. ↑

Group Art Unit 1724

Examiner: Duane Smith

Atty. Dkt. P 0098480283674 E 2499 US

Ref

Filed: September 14, 2001

Mail Stop Patent Application

Hon. Commissioner for Patents

PO Box 1450

Alexandria, VA 22313-1450

Appn. Title: APPARATUS AND METHOD FOR
AVOIDING GAS BUBBLES WHEN
TRANSPORTING A LIQUID BY
MEANS OF PUMPS

Sir.

REPLY/AMENDMENT/LETTER

Date: September 12, 2003

This is a reply/amendment/letter in the above-identified application and includes the herewith attachment of same date and subject which is incorporated hereinto by reference and the signature below is treated as the signature to the attachment in absence of a signature thereto.

FEE REQUIREMENTS FOR CLAIMS AS AMENDED

1. Small Entity claim	
A. <input type="checkbox"/> NOT made	For B & C
B. <input type="checkbox"/> Withdrawn	See Required
C. <input type="checkbox"/> made herewith	Separate Paper
D. <input checked="" type="checkbox"/> made previously (Pat-256)	

	Claims remaining after amendment	Highest number previously paid for	Present Extra	Large/Small Entity	Additional Fee	Fee Code Lg/Sm
2. Total Effective Claims	31	**minus 20	11	x \$18/\$9 =	+ \$99	103/203
3. Independent Claims	1	***minus 3	0	x \$84/\$42 =	+ \$0	102/202
4. If amendment enters proper multiple dependent claim(s) into this application for first time (leave blank if this is a reissue application)..... add				+ \$280/\$140 =	+ \$0	104/204
5. Original due Date: June 12, 2003	<input type="checkbox"/> NONE					
6. Petition is hereby made to extend the original due date to cover the date this response is filed for which the requisite fee is attached	(1 mo)	\$110/\$55 =				115/215
	(2 mos)	\$410/\$205 =	+ \$465			116/216
	(3 mos)	\$930/\$465 =				117/217
	(4 mos)	\$1,450/\$725 =				118/218
	(5 mos)	\$1,970/\$985 =				128/228
7. Enter any previous extension fee paid since above original due date and subtract		- \$0				
8.		Extension Fee	+ \$465			
9. If Terminal Disclaimer attached, add Rule 20(d) official fee		+ \$110/\$55	+ \$0			148/248
10. If IDS attached requires Official Fee under Rule 97 (c), add	+ \$180	+ \$0				126
or if Rule 97(d) Request	+ \$180	+ \$0				126
11. After-Final Request Fee per rules 129(a) and 17(r)	+ \$750/370	+ \$0				146/246
12. No. of additional inventions for examination per Rule 129(b)	x \$750/375 ea	+ \$0				149/249
13. Request for Continued Examination (RCE)	+ \$750/375	+ \$0				1179/1279
14. Petition fee for	+ \$0					
15.		TOTAL FEE =	\$564			
16. *If the entry in this space is less than entry in next space, the "Present Extra" result is "0".						
17. **If the "Highest number previously paid for" in this space is less than 20, write "20" in this space.						
18. ***If the "Highest number previously paid for" in this space is less than 3, write "3" in this space.						
		PLEASE CHARGE OUR DEP. ACCT				

Our Deposit Account No. 50-2212

Our Order No. 009848-0283674

12-03-03 03:20pm From-PILLSBURY WINTHROP CARMEL VLY.

858 508 4010

T-525 P.005/024 F-798

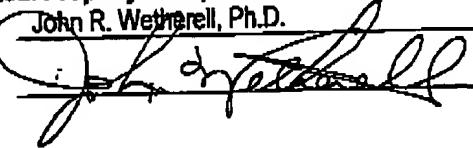
CHARGE STATEMENT: The Commissioner is hereby authorized to charge any fee specifically authorized hereunder, or to file, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficiencies only) now or hereafter relative to this application and the resulting Official Document under Rule 20, or credit any overpayment, to our Accounting/Order Nos. shown above, for which purpose a duplicate copy of this sheet is attached.
This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal sheet is filed.

Query: Is appeal deadline now? If so, file Notice of Appeals separately.

Pillsbury Winthrop LLP
Intellectual Property Group

By Atty: John R. Wetherell, Ph.D.

Reg. No. 31,678

Sig: 

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Tel: (619) 234-5000

Atty/Sec: JRW/KM

NOTE: File this cover sheet in duplicate with PTO receipt (PAT-103A) and attachments

PAT-120 5/03